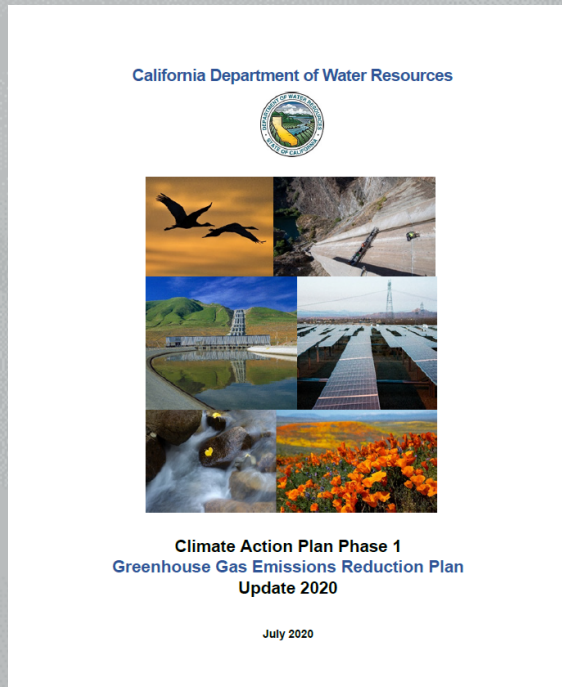
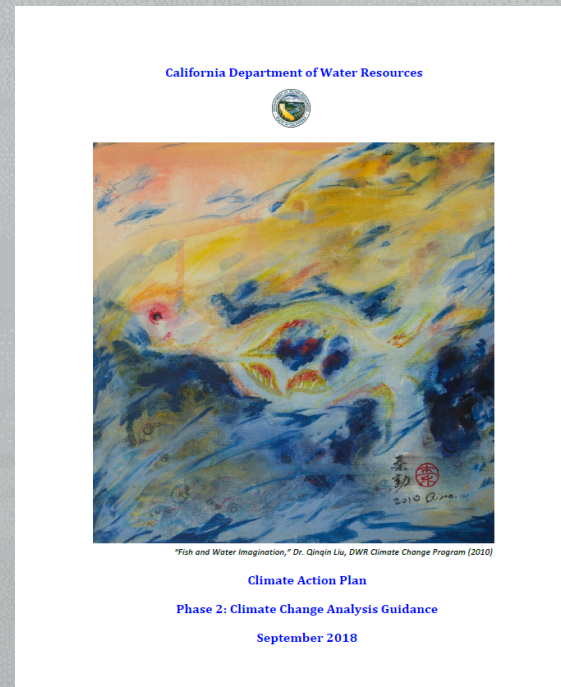


# Climate Action Plan (CAP) – Overview

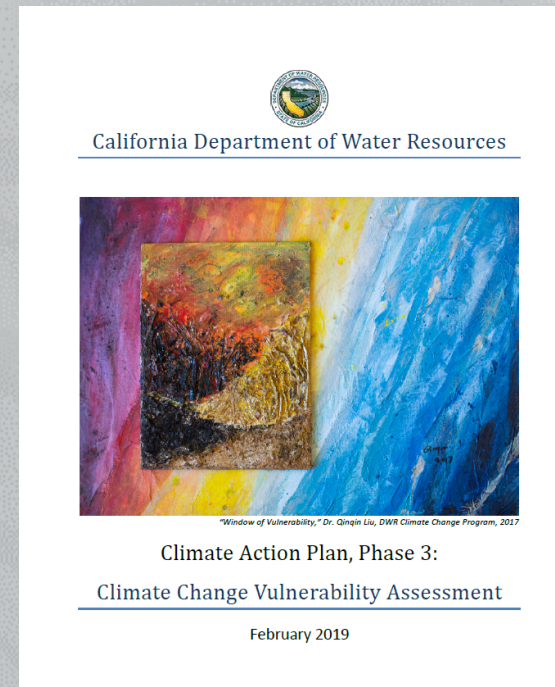
## *DWR's Comprehensive Response to Climate Change*



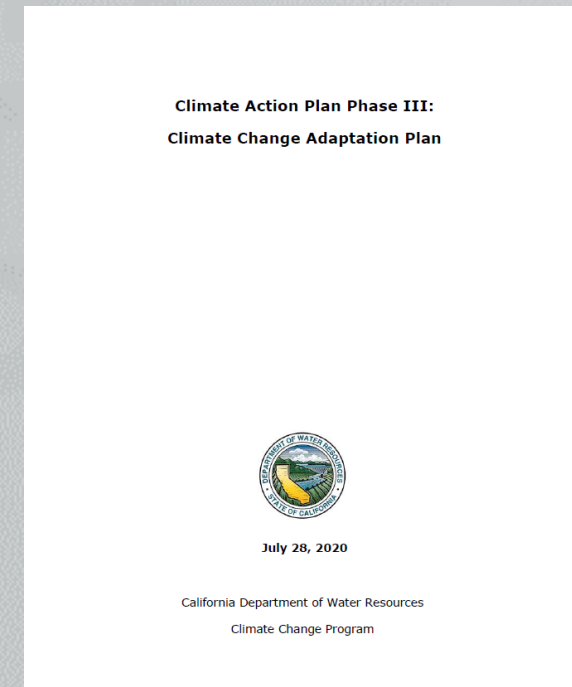
GHG Emissions  
Reduction



Analytical Guidance  
& Decision Support



Vulnerability  
Assessment



Adaptation



# Climate Action Plan, Phase II

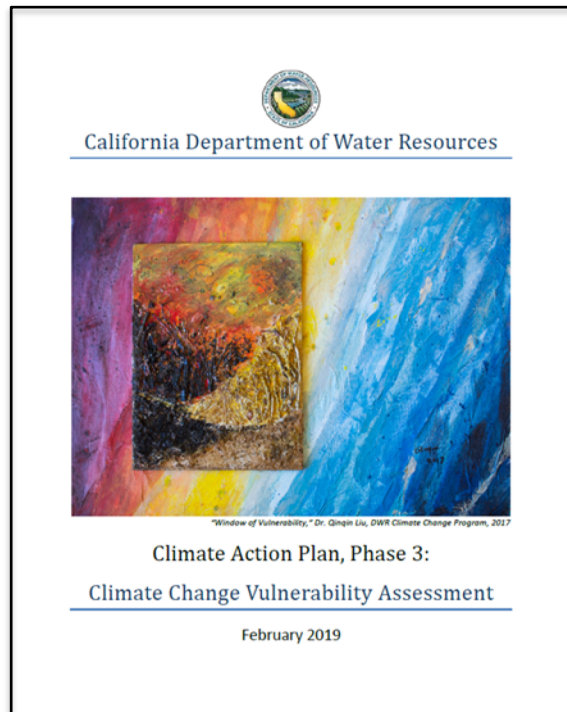
## *Climate Change Analysis Guidance*

**Goal:** Improve the consistency and scientific rigor of DWR's approaches for analyzing the potential impacts of climate change while preserving both flexibility and efficiency.



# Climate Action Plan, Phase III

## *Vulnerability Assessment & Adaptation Plan*

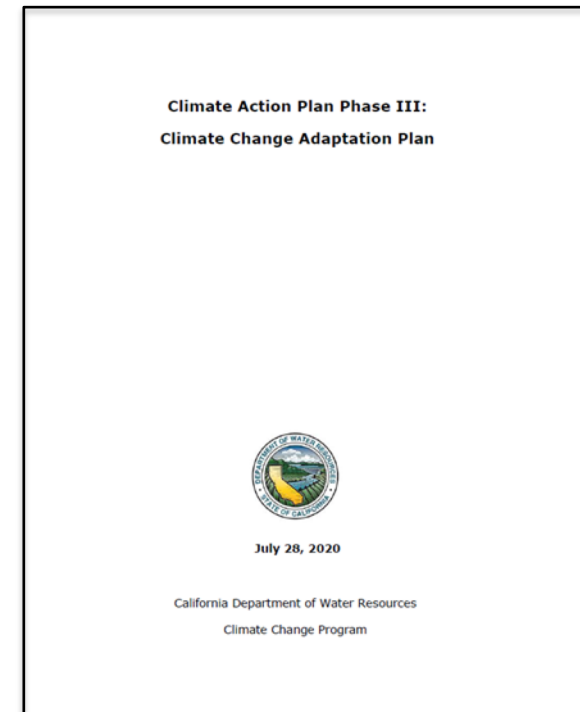


### Two-Part Process

1) Identify Vulnerabilities



2) Prioritize and  
Implement Adaptation  
Strategies

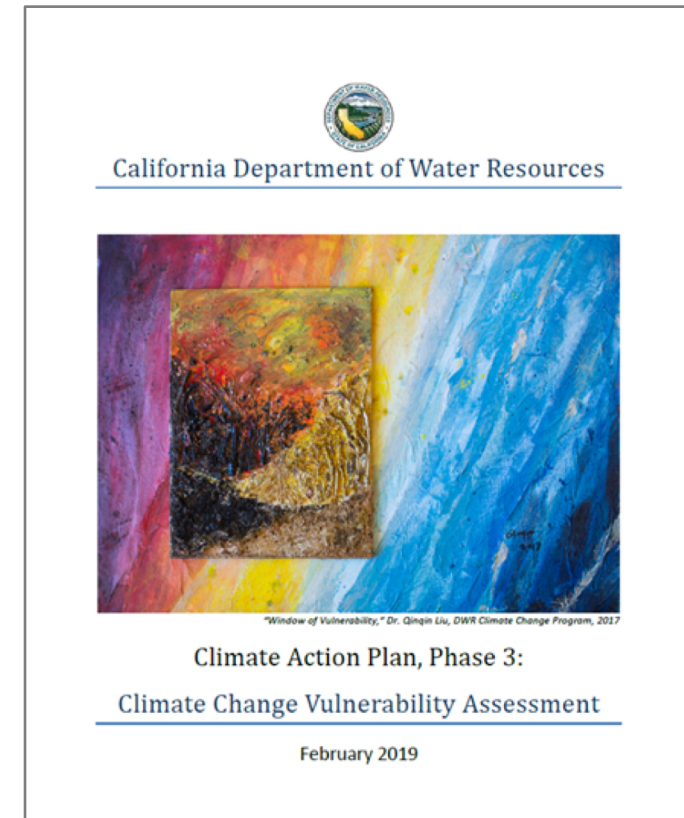


# Climate Action Plan, Phase III

## *Vulnerability Assessment*

### Hazards Assessed

- Wildfire
- Extreme Heat
- Sea Level Rise
- Long-term Persistent Hydrologic Changes
- Short-Term Extreme Hydrologic Changes
- Habitat and Ecosystem Services Impacts





# Climate Action Plan, Phase III

## *Adaptation Plan (Process)*

Identifying and Implementing Adaptation Strategies

### **Assets**

1. Staff (Safety) - Extreme heat, emergency response impacts
2. State Water Project - Loss of performance (e.g. deliveries, carryover storage)
3. Upper Feather River Watershed - Community engagement, wildfire, watershed health
4. Landscapes (Ecosystems and Habitats) - Additional stress on species and habitats on DWR lands



# DWR Climate Action Plan

California Department of Water Resources



## Climate Action Plan Phase 1 Greenhouse Gas Emissions Reduction Plan Update 2020

July 2020

California Department of Water Resources



*"Fish and Water Imagination," Dr. Qinglin Liu, DWR Climate Change Program (2010)*

## Climate Action Plan

### Phase 2: Climate Change Analysis Guidance

September 2018



California Department of Water Resources



*"Window of Vulnerability," Dr. Qinglin Liu, DWR Climate Change Program, 2017*

## Climate Action Plan, Phase 3:

### Climate Change Vulnerability Assessment

February 2019

## Climate Action Plan Phase III: Climate Change Adaptation Plan



July 28, 2020

California Department of Water Resources  
Climate Change Program

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